GEOLOGICAL JOURNAL (*Geol. J.*)

CONTENTS

VOLUME 22, ISSUE Nos. 1–4

Issue No. 1, January–March

The fenestrate bryozoan *Septopora carbonaria* (Etheridge Jun. 1873a) from the Carboniferous of Great Britain: A. J. Bancroft 1

Rb–Sr whole-rock isochron studies of the Barnesmore and Fanad plutons, Donegal, Ireland: P. J. O'Connor, C. B. Long and J. A. Evans 11

Dinantian sedimentation and the basement structure of the Derbyshire Dome: P. Gutteridge 25

The age of the Lugar sill and a discussion of the Late-Carboniferous/Early-Permian sill complex of S. W. Scotland: C. M. B. Henderson, K. A. Foland and F. G. F. Gibb 43

New evidence for the relative age of the Ercall Granophyre and its bearing on the Precambrian–Cambrian boundary in southern Britain: J. C. W. Cope and W. Gibbons 53

BOOK REVIEWS 61

Issue No. 2, April–June

The stratigraphy, sedimentology and palaeontology of the Pleistocene Knocknasilloge Member, Co. Wexford, Ireland: G. S. P. Thomas and P. Kerr 67

Indexed or abstracted by 'Current Contents'; 'Science Citation Index' and other leading Indexing/Abstracting Services

Advertising: For details contact—

UK and Europe: Michael J. Levermore, Advertisement Manager, John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex, PO19 1UD, England (Telephone 0243 770350).

North America: Arthur C. Lipner, National Advertising Sales Representative, Weston Media Associates, PO Box 1110, Greens Farms, CT 06436-9998, U.S.A. (Telephone (203) 226-0478).

The stratigraphy, structure and regional significance of the Moine Rocks of Mull, Argyllshire, W. Scotland: R. E. Holdsworth, A. L. Harris and A. M. Roberts 83

Dimlington Stadial (Late Devensian) ice-wedge casts and involutions in the Severn Estuary, southwest Britain: J. R. L. Allen 109

Mohr circles for strain, simplified: S. H. Treagus 119

A Fissure-Controlled Acidic Volcanic Centre (Ordovician) at Yr Arddu, North Wales: M. F. Howells, S. D. G. Campbell, A. J. Reedman and S. P. Tunnicliff 133

Lower delta plain interdistributary deposits – An example from the Westphalian of the Lancashire Coalfield, northwest England: C. R. Fielding 151

SHORT COMMUNICATIONS

Comment upon 'Late Caledonian dyke-swarms in Southern Scotland: new field, petrological and geochemical data for the Wigtown Peninsula, Galloway': R. P. Barnes, N. M. S. Rock, J. W. Gaskarth, C. F. Elders and A. E. S. Kemp 163

A Reply to C. F. Elders and A. E. S. Kemp: R. P. Barnes, N. M. S. Rock and J. W. Gaskarth 167

BOOK REVIEWS 169

Issue No. 3, July–September

The occurrence of hydrocarbons in Cambrian sandstones of the Welsh Borderland: J. Parnell 173

Mud-Dominated Storm Deposits From A Lower Carboniferous Ramp: J. Simpson 191

Macrofloral biostratigraphy of the Newent Coalfield, Gloucestershire: C. J. Cleal 207

The outflow of Windermere, Cumbria: a re-appraisal: C. D. V. Wilson 219

The Pyroclastic deposits of Mount Etna volcano, Sicily: D. K. Chester, A. M. Duncan and J. E. Guest 225

The Structure and Stratigraphy of the Western External Sierras of the Pyrenees, Northern Spain: G. J. Nichols 245

Gravity Anomalies associated with the Cefn–Y–Fedw sandstone group, northeast Wales, and their geological significance: J. D. Cornwell 261

Issue No. 4, October–December

The Age of the Oughterard Granite, Connemara, Ireland: P. S. Kennan, M. Feely and P. Mohr 273

Late Pan-African Magmatism and Crustal Development in Northeastern Egypt: A.-F. M. Abdel-Rahman and R. F. Martin 281

Metamorphic Carbonate-mafic Amphibolite Interactions from Arinteiro, Northwest Spain: P. J. Williams 303

The Pre-Caledonian Inishkea Division of Northwest Co. Mayo, Ireland: Its Geochemistry and Probable Stratigraphic Position: J. A. Winchester and M. D. Max 309

A Review of Sandstone Illite Cements and Aspects of their Significance to Hydrocarbon Exploration and Development: L. Macchi 333

The Nature and Field Relations of the Ordovician Maumtrasna Formation, County Mayo, Ireland: J. R. Graham 347

The Relationship between Light Hydrocarbons and Carbonate Petrology—A Study from the Mendip Hills: S. Goodman 371

COMMENTS

Comment Upon, Lower Delta Plain Interdistributary Deposits—an Example from the Westphalian of the Lancashire Coalfield, Northwest England: J. I. Chisholm 383

A Reply to C. I. Chisholm: C. R. Fielding 384

A Reply to Fielding and Chisholm: F. M. Broadhurst 385

AUTHOR INDEX 387

KEYWORD INDEX 388